EV4004/4008TURBO
HDTVI DVR 3MP Resolution

▶ **Features and Functions**

Video Input and Transmission

· **Self-adaptive HDTVI/HDCVI/AHD/CVBS signal input**

· **Up to 2-ch 4 MP IP cameras input**

· **Long distance transmission over UTP and coaxial cable: max. 800m for 1080p and 1200m for 720p HDTVI signal**

Compression and Recording

· **H.265+/H.265/H.264+/H.264 encoding for the main stream, and H.265/H.264 for the sub-stream of analog cameras**

· **Connectable to H.265+/H.265/H.264+/H.264 IP cameras**

· **H.265+ can be enabled to improve encoding efficiency and reduce data storage costs**

· **Up to 3 MP resolution for recording**

· **Supports real-time 1080p lite and when enabled, the image effect is similar with 1080p**

Video Output

· **Simultaneous HDMI/VGA output**

· **HDMI output at up to 4K (3840 × 2160) resolution for DS-7216HQHI-K1**

· **Separate CVBS output**

Storage and Playback

· **1 SATA interface (up to 6 TB capacity per HDD)**

· **4/8/16-ch synchronous playback**

· **Smart search for efficient playback**

· **Supports the 3rd party cloud storage (Dropbox/Google Drive/Microsoft OneDrive)**

Smart Function

· **Supports multiple VCA (Video Content Analytics) events for both analog and smart IP cameras**

· **VQD (Video Quality Diagnostics)**

· **Supports PTZ control via Omnicast VMS of Genetec protocol**

Network & Ethernet Access

· **Hik-Connect & DDNS (Dynamic Domain Name System) for easy network management**

· **1 RJ45 10M/100M Ethernet network interface**

· **Output bandwidth limit configurable**

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Professional Video Surveillance Solutions

Video/Audio input

	EV-4004-TURBO	EV-4008-TURBO
Model:	EV-4004-TURBO	EV-4008-TURBO
Video compression:	H.265+/H.265/H.264+/H.264	
Analog video:	4-ch	8-ch
input:	BNC interface (1.0 Vp-p, 75 ff), supporting coaxitron connection	
HDTVI input:	3 MP, 1080p30, 1080p25, 720p60, 720p50, 720p30, 720p25 Note: The 3 MP signal input is only available for channel 1 of EV4004TURBO, 1/2 of EV4008TURBO	
AHD input:	1080p25, 1080p30, 720p25, 720p30	
HDCVI input:	1080p25, 1080p30, 720p25, 720p30	
CVBS input:	PAL/NTSC	
IP video input:	1-ch Up to 4 MP resolution Supports H.265+/H.265/H.264+/H.264 IP cameras	2-ch
Audio compression:	G.711u.	
Audio input:	1-ch, RCA (2.0 Vp-p, 1 Kff)	

Video/Audio output

CVBS output:	CVBS output 1-ch, BNC (1.0 Vp-p, 75 ff), resolution: PAL: 704 × 576, NTSC: 704 × 480	
HDMI/VGA output:	1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz	
Encoding resolution:	When 1080p Lite mode not enabled: 3 MP/1080p/720p/VGA/WD1/4CIF/CIF; When 1080p Lite mode enabled: 3 MP/1080p lite/720p lite/VGA/WD1/4CIF/CIF	
Frame rate:	Main stream: When 1080p Lite mode not enabled: For 3 MP stream access: 3 MP/1080p/720p/VGA/WD1/4CIF/CIF@15fps For 1080p stream access: 1080p/720p@15fps; VGA/WD1/4CIF/CIF@25fps (P)/30fps (N) For 720p stream access: 720p/VGA/WD1/4CIF/CIF@25fps (P)/30fps (N) When 1080p Lite mode enabled: 3 MP@15fps 1080p lite/720p lite/VGA/WD1/4CIF/CIF@25fps (P)/30fps (N)	
Video Bit Rate:	32 Kbps to 6 Mbps	
Audio output:	1-ch, RCA (Linear, 1 K)	
Audio bit rate:	64 Kbps	
Dual stream:	Support	
Stream type:	Video, Video & Audio	
Synchronous Playback:	4-ch	8-ch

Network Management

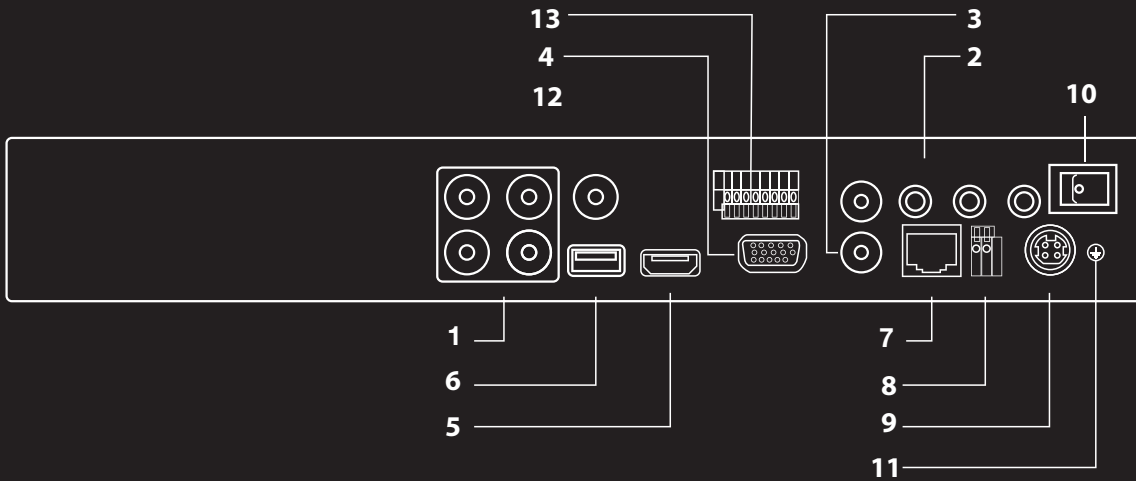|		
Remote connections:	128	
Network protocols:	TCP/IP, PPPoE, DHCP, Hik-Connect, DNS, DDNS, NTP, SADP, NFS, iSCSI, UPnP™, HTTPS, ONVIF	

Hard disk

Interface Type:	1 SATA Interface	
Capacity:	Up to 6 TB capacity for each disk	

External interface

Two-way audio:input:	1-ch, RCA (2.0 Vp-p, 1 Kff) (using the 1st audio input)	
Network Interface:	1, RJ45 10M/100M self-adaptive Ethernet interface	1, RJ45 10M/100M self-adaptive Ethernet interface
USB interface:	2 × USB 2.0	
Serial interface:	RS-485 (half-duplex)	

General

	EV-4004-TURBO	EV-4008-TURBO
Power Supply:	12 VDC	
Consumption:	6 W (without hard disks)	7.5 W(without hard disks)
Working Temperature:	-10 ºC -+55 ºC (14 ºF - 131 ºF)	
Working Humidity:	10% - 90%	
Dimensions:	315 x 242 x 45 mm (12.4 x 9.5 x 1.8 inch)	
Weight (without HDD):	≤ 1.16 kg (2.6 lb)	≤ 1.78 kg (3.9 lb)

Index	Name
1	VIDEO IN
2	AUDIO IN, RCA Connector
3	AUDIO OUT, RCA Connector
4	VGA Interface
5	HDMI Interface
6	USB Interface
7	LAN Network Interface
8	RS-485 Serial Interface
9	12 VDC Power Input
10	Power Switch
11	GND
12	VIDEO OUT

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